What is claimed is:

1. An aluminum-zirconium tetrachlorohydrate having a metal (Al+Zr) to chloride molar ratio of 0.90 to 1.00.

2. An aluminum-zirconium tetrachlorohydrate having the formula $Al_nZr(OH)_{[3n+4-m(n+1)]}(Cl)_{[m(n+1)]}\text{-}(Gly)_q$ wherein n is 2 to 6, m is 1.00 to 1.11, and q is about 0.8 to about 4.0.

3. The aluminum-zirconium tetrachlorohydrate of claim 2 wherein q is about 1.0 to 2.0.

4. The aluminum-zirconium tetrachlorohydrate of claim 2 wherein m is about 1.02 to about 1.11.

5. The aluminum-zirconium tetrachlorohydrate of claim 2 wherein m is about 1.04 to about 1.11.

6. The aluminum-zirconium tetrachlorohydrate of claim 2 which, when analyzed by HPLC as a 10% aqueous solution using conditions capable of resolving the aluminum into at least four successive peaks (labeled peaks 2 to 5), exhibits an HPLC peak 5 area of at least 45% and an HPLC peak 4 to peak 3 area ratio of at least 0.4, wherein substantially all of the aluminum is found in peaks 3, 4 and 5.

7. The aluminum-zirconium tetrachlorohydrate of claim 2 made with a zirconium hydroxychloride of the formula $Zr(OH)_{4-b}Cl_b$ wherein b is 2.2 to 4.0 so that the Zr:Cl ratio in said zirconium hydroxychloride is between 0.45 and 0.25.

8. The aluminum-zirconium tetrachlorohydrate of claim 1 made with a zirconium hydroxychloride of the formula $Zr(OH)_{4-b}Cl_b$ wherein b is about 3.4 to about 4.0 so that the Zr:Cl ratio in said zirconium hydroxychloride is between 0.29 and 0.25.

9. The aluminum-zirconium tetrachlorohydrate of claim 2, 3, 4, 5, or 6 made with a zirconium hydroxychloride of the formula $Zr(OH)_{4-b}Cl_b$ wherein b is about 3.4 to about 4.0 so that the Zr:Cl ratio in said zirconium hydroxychloride is between 0.29 and 0.25.

10. The aluminum-zirconium tetrachlorohydrate of claim 1, 2, 3, 4, 5, 6 or 8 in solid powder form.

11. An aqueous composition comprising water and, dissolved therein, an aluminum-zirconium tetrachlorohydrate according to claim 1, 2, 4, 6 or 8.

12. The aqueous composition of claim 11 comprising about 8% to about 45% (USP) of said aluminum-zirconium tetrachlorohydrate.

13. A composition comprising a liquid polyhydric alcohol and, dissolved therein, an aluminum-zirconium tetrachlorohydrate according to claim 1, 2, 4, 6 or 8.

14. The composition of claim 13 comprising about 8% to about 45% (USP) of said aluminum-zirconium tetrachlorohydrate.

15. A clear antiperspirant gel composition comprising a water-in-oil emulsion having a water phase and an oil phase, wherein the water phase comprises an aqueous composition according to claim 12.

16. A topical antiperspirant composition comprising a dermatologically acceptable carrier and a perspiration reducing effective amount of an aluminum-zirconium tetrachlorohydrate according to claims 1, 2, 4, 6 or 8.

17. The topical antiperspirant composition of claim 16 wherein said carrier is an anhydrous carrier and said aluminum-zirconium tetrachlorohydrate is in solid powder form suspended in said anhydrous carrier.

18. The topical antiperspirant composition of claim 17 wherein said anhydrous carrier comprises a silicone.

19. The topical antiperspirant composition of claim 16 in the form of a liquid, lotion, cream, gel, soft-solid, or solid stick.

20. A method of reducing perspiration from human skin comprising applying to human skin a topical antiperspirant composition according to claim 16.

21. A method of reducing perspiration from human skin comprising applying to human skin an aluminum-zirconium tetrachlorohydrate according to claim 1, 2, 4, 6 or 8.